

Headache Classification 2007

Stephen D. Silberstein, M.D., F.A.C.P.

Director, Jefferson Headache Center,

Professor of Neurology

Thomas Jefferson University Hospital

Philadelphia, Pennsylvania

Past President American Headache Society



Old Ad-hoc Headache Classification

1. Migraine

- Migraine variants, vascular headaches, atypical facial neuralgia

2. Tension headache (muscular contraction headache)

3. Headache associated with intracranial disturbances

- Arteriosclerotic brain diseases, vascular anomalies, aneurysms, tumor, infections

4. Headache associated with extracranial disturbances

- Eye, ear, nose, bones of the skull and neck

5. Headache associated with cranial trauma

6. Hypertension, allergy, arteritis (temporal), fevers, infection

7. Psychogenic headaches

- Conversion, tension headaches



International Classification of Headache Disorders

2nd edition

(ICHD-2)

ICHD-2 Classification

- **Part 1:**
Primary headache disorders
- **Part 2:**
Secondary headache disorders
- **Part 3:**
Cranial neuralgias, central and primary facial pain and other headaches

ICD-9: Problems

- Outmoded Terminology
 - Based on ad-hoc criteria
 - Classic and common migraine no longer used
- Did not allow characterization of disorders based on epidemiology and new science
- Many disorders misclassified or not classified
 - Many new disorders described
 - No relationship to ICHD-2
 - **Tension headache** misclassified as psychiatric disorder
 - Occurs in over 50% of population

ICD-9: New Categories

- 339 Other Headache Syndromes
- 346 Migraine
- Secondary Headaches

ICD-9 Revisions:

Tension-type headache not psychological

307 Special symptoms or syndromes, not elsewhere classified

307.8 Pain disorders related to psychological factors

307.81 **Tension headache**

Excludes: headache:

Add syndromes (339.00-339.89)

Add **tension-type** (339.10-339.12)

339 Subcategories: Other Headache Syndromes

- 339.0 Cluster headaches and other TACS
- 339.1 Tension-type Headache (TTH)
- 339.2 Post-traumatic Headache (PTH)
- 339.3 Drug induced headache
- 339.4 Complicated headache syndromes
- 339.8 Other headache syndromes

‘Episodic versus Chronic’

- In pain, **chronic** denotes persistence > 3 months
- In headache, it has this meaning for secondary headache disorders
- For primary episodic headache disorders (eg, migraine), **chronic** is used whenever headache ***occurs on more days than not*** > 3 months
 - Episodic means <15days/month
- Trigeminal autonomic cephalalgias exception
 - **Chronic** not used until unremitting >1 year

New subcategory 339.0 Cluster headaches and other trigeminal autonomic cephalgias (TACS)

New code	339.00	Cluster headache syndrome, unspecified (Cluster headache NOS, Ciliary neuralgia, Histamine cephalgia, Lower half migraine, Migrainous Neuralgia)
New code	339.01	Episodic cluster headache
New code	339.02	Chronic cluster headache
New code	339.03	Episodic paroxysmal hemicrania Paroxysmal hemicrania NOS
New code	339.04	Chronic paroxysmal hemicrania
New code	339.05	SUNCT
New code	339.09	Other TACS

New Subcategory 339.1

Tension-type Headache (TTH)

Excludes: tension headache due to psychological factors (307.81)

New code	339.10	TTH, unspecified
New code	339.11	Episodic TTH
New code	339.12	Chronic TTH

New Subcategory 339.2

Post-traumatic Headache (PTH)

- New code 339.20 PTH, unspecified
- New code 339.21 Acute PTH
- New code 339.22 Chronic PTH
 - PTH can be part of post-concussion syndrome
 - But does not have to be

New Subcategory 339.3

- Drug induced headache, not elsewhere classified
 - Medication overuse headache
 - Rebound headache

New Subcategory 339.4

Complicated Headache Syndromes

- New code 339.41 Hemicrania continua (HC)
 - Unilateral CDH
- New code 339.42 New daily persistent headache (NDPH)
 - New onset CDH
- New code 339.43 Primary thunderclap headache
- New code 339.44 Other complicated headache syndrome

New Subcategory 339.8

Other headache syndromes

New code 339.81 Hypnic headache

New code 339.82 Headache associated with sexual activity

Orgasmic headache

Preorgasmic headache

New code 339.83 Primary cough headache

New code 339.84 Primary exertional headache

New code 339.85 Primary stabbing headache

New code 339.89 Other headache syndromes

346 Migraine

Following fifth-digit subclassification used with category 346:

Revise 0 *without* mention of intractable migraine *without* mention of status migrainosus

Revise 1 *with* intractable migraine, so stated, *without* mention of status migrainosus

Add 2 *without* mention of intractable migraine *with* status migrainosus

Add 3 *with* intractable migraine, so stated, *with* status migrainosus

Revise 346.0 Migraine with aura

- Add Classic migraine
- Add Basilar migraine
- Add Migraine triggered seizures (can use sz codes)
- Add Migraine with acute-onset aura
- Add Migraine with aura without headache
(Migraine equivalents)
- Add Migraine with prolonged aura
- Add Migraine with typical aura
- Add Retinal migraine

Revise 346.1 Migraine without Aura

Add Common Migraine

346.2 Variants of migraine, Not Elsewhere Classified

- Add Cyclical vomiting
- Add Ophthalmoplegic migraine
- Add Periodic headache syndromes in child or adolescent

New Codes

346.3 Hemiplegic migraine

Familial

Sporadic

346.4 Menstrual migraine

Menstrually related migraine

Pure menstrual migraine

New Codes

346.5 Persistent migraine aura without
cerebral infarction

Persistent migraine aura NOS

346.6 Persistent migraine aura with
cerebral infarction

Can use stroke codes

New Codes

346.7 Chronic migraine
 Transformed migraine